

Portsmouth Gaseous Diffusion Plant National Historic Preservation Act Program Activities

U. S. DEPARTMENT OF ENERGY PORTSMOUTH/PADUCAH PROJECT OFFICE

Status Update November 17, 2011

Purpose of Meeting



• Review of DOE's EM Undertakings at PORTS

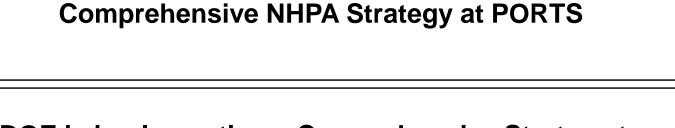
- Upcoming CERCLA Remedial Actions
- Potential for future undertakings

• Discuss DOE's potential site-wide approach to NHPA

- Status of site surveys and investigations

Outline DOE's Commitment to ongoing public involvement

- Hold quarterly public meetings, issue fact sheets, provide documents for review and comments, etc.
- Review of Earthworks and Mounds and Lidar Reports
- Discuss DOE's Proposed NHPA Mitigation Strategy
- Questions and Answers



DOE is implementing a Comprehensive Strategy to address NHPA at the Portsmouth Site

DOE's Strategy:

- Integrate NHPA responsibilities into all of our work
- Identify historic properties under NHPA
- Assess the effects of proposed actions (e.g., D&D and remedial actions) on the historic properties
- Avoid, minimize, or mitigate adverse affects to historic properties
- Provide multiple opportunities throughout project review phases for public, SSAB, and Consulting Parties input

Cultural Resource information is used for many activities at PORTS



Property Transfer

> CERCLA Balance of Plant

Archaeological Surveys – Phase I and II Farmstead Surveys – Phase I and II Architectural Survey Historical Documentation of Buildings Miscellaneous PORTS Activities

> RCRA Corrective Measures

CERCLA Waste Disposition CERCLA Process Buildings

PORTS NHPA Undertakings and Public Reviews

		Planning Activities	Investigation & Survey Phase	Documentation Phase	Public Review	Decision Phase
Undertakings	CERCLA Balance of Plant Project - EE/CA & Action Memorandum CERCLA Process Buildings Project - RI/FS, Proposed Plan and ROD CERCLA Waste Disposition Project - RI/FS, Proposed Plan and ROD	Ongoing Ongoing Ongoing	In process In process In process	In process In process In process In process	Ongoing EE/CA PP – Summer 2012 PP – Summer 2012	AM – Jan 2012 ROD – Late 2012 ROD – Late 2012 ROD – Late 2012
PORTS Proposed	Site Reuse RCRA Corrective Measures	NEPA & NHPA reviews planned NEPA & NHPA reviews planned			*	Planned for 2013
	Miscellaneous PORTS undertakings	Needs identified case-by-case				TBD

NEPA = National Environmental Policy Act

11-15-11

Integration of NHPA and CERCLA



- Proposed Mitigation for Support Buildings outlined in BOP EE/CA.
 - Available for Public Review until November 23, 2011
- Building and Waste Disposition RI/FS Work Plans will be available in late 2011.
 - Proposed Mitigation Strategy is also presented in the Work Plans
- Building and Waste Disposition RI/FS Reports/Proposed Plans available in summer 2012.
 - Also include Proposed Mitigation Approach
 - To be refined based on public input on the Work Plans
- NHPA Mitigation for CERCLA undertakings to be finalized in Records of Decision.
 - Records of Decision to be finalized in late 2012

What Else is DOE Doing to Keep the Public Involved?

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- Interaction with Consulting Parties and SSAB
 - Meetings will continue going forward
- NHPA Fact Sheet will be issued to the public in November 2011
- Quarterly Public Meetings on each of the projects
 - Will provide status of Regulatory Documents and Cleanup
- Providing notice for documents available for formal public reviews
- Making documents of archaeological interest available to the public

DOE'S Proposed Mitigation Strategy –

Process Buildings and Support Structures



DOE's Proposed Mitigation Approach:

- A combination of documentation and interpretation methods as part of the efforts to help preserve the PORTS Site history, including:
 - Selected artifact salvage
 - Photographs (new and vintage) of interior and exterior of buildings to document key features
 - Panoramic photographs of the site as it undergoes D&D
 - Development of a "GIS Atlas" to support understanding of operations / processes

- Historic Context Report

- Comprehensive report to document the history from 1952 (at acquisition) to 1992 (end of the Cold War)
- Place the site in context with the DOE Complex
- Virtual Museum
 - Will serve as the centerpiece of the site's historic preservation activities
 - Will provide ready access to all preserved documentation, oral histories , photographs

DOE'S Proposed Mitigation Strategy –

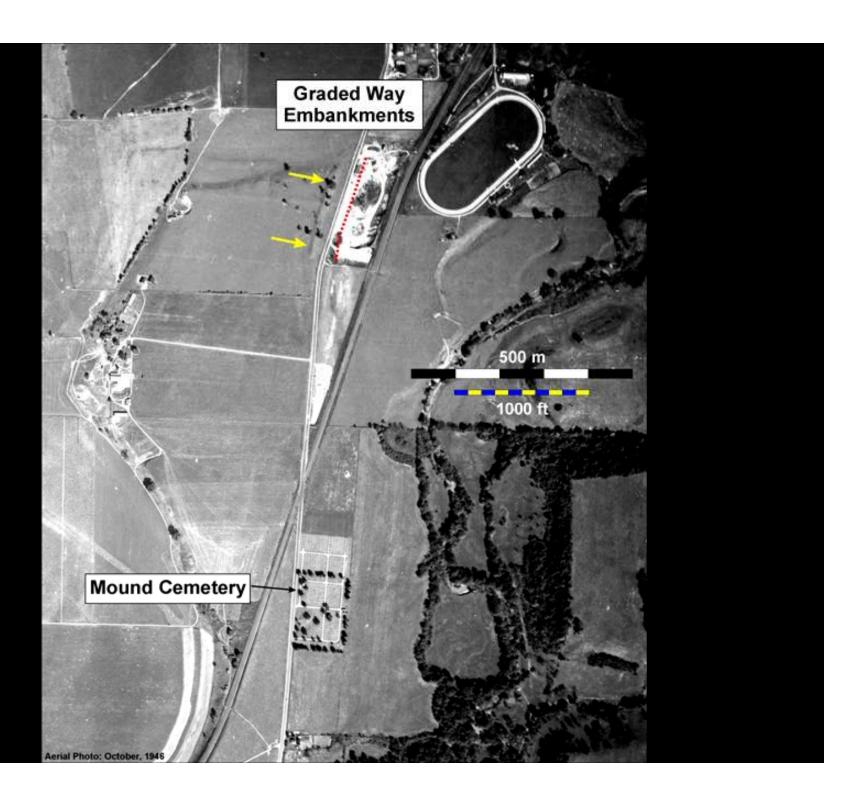
Historic Farmsteads and Prehistoric Archaeological Sites

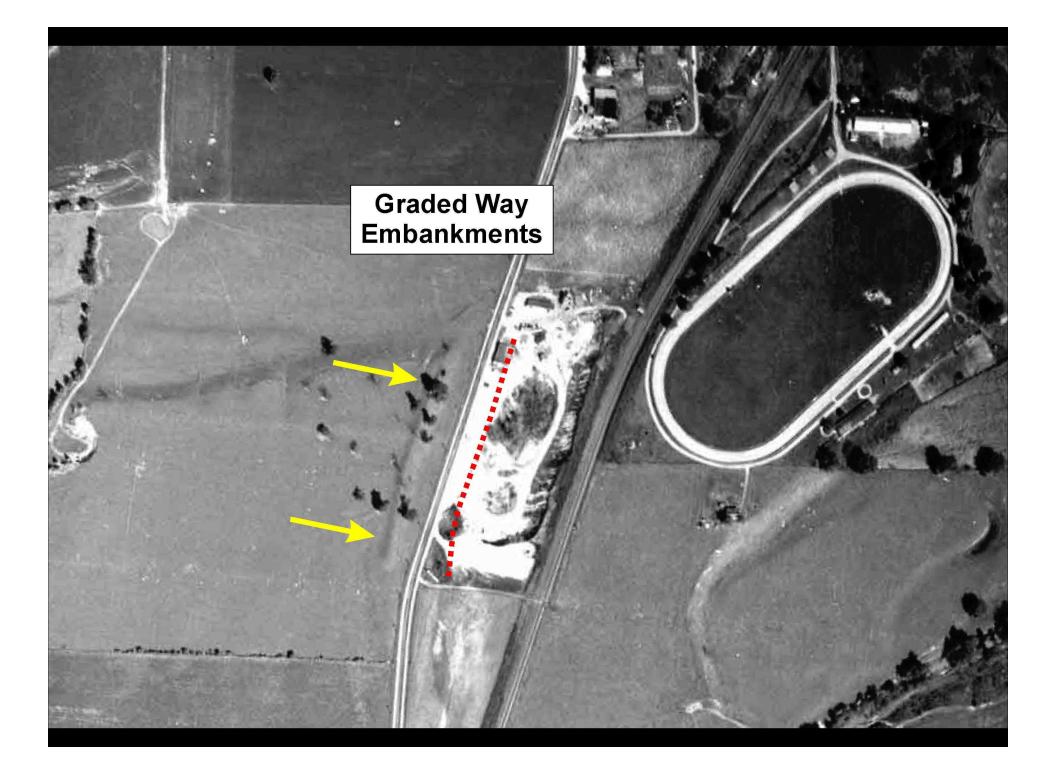


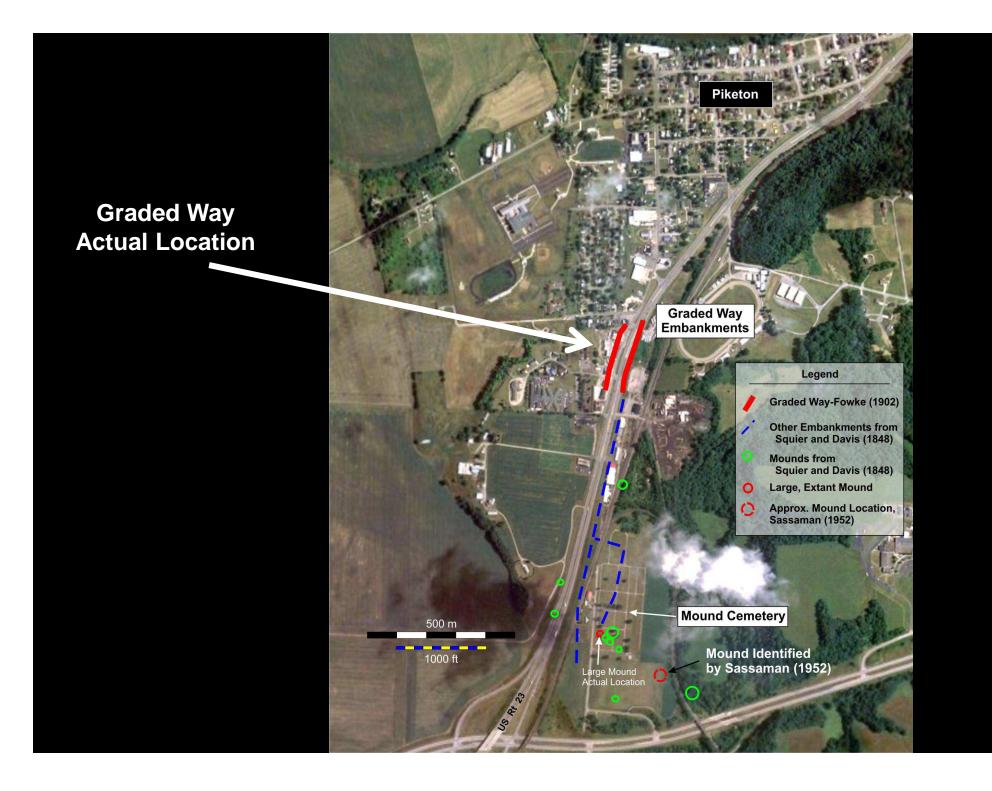
DOE's Proposed Mitigation Approach:

- DOE will work with OHPO, Consulting Parties, SSAB and Public to:
 - Identify historic properties that could be impacted from DOE actions
 - Develop and refine appropriate mitigation for the effected property
- The mitigation measures proposed would be comprehensive:
 - Address effects from the full range of DOE actions
 - Broad interpretation of site over time (prehistoric, historic-era and DOE-era)
 - Avoid incremental and repetitive efforts.

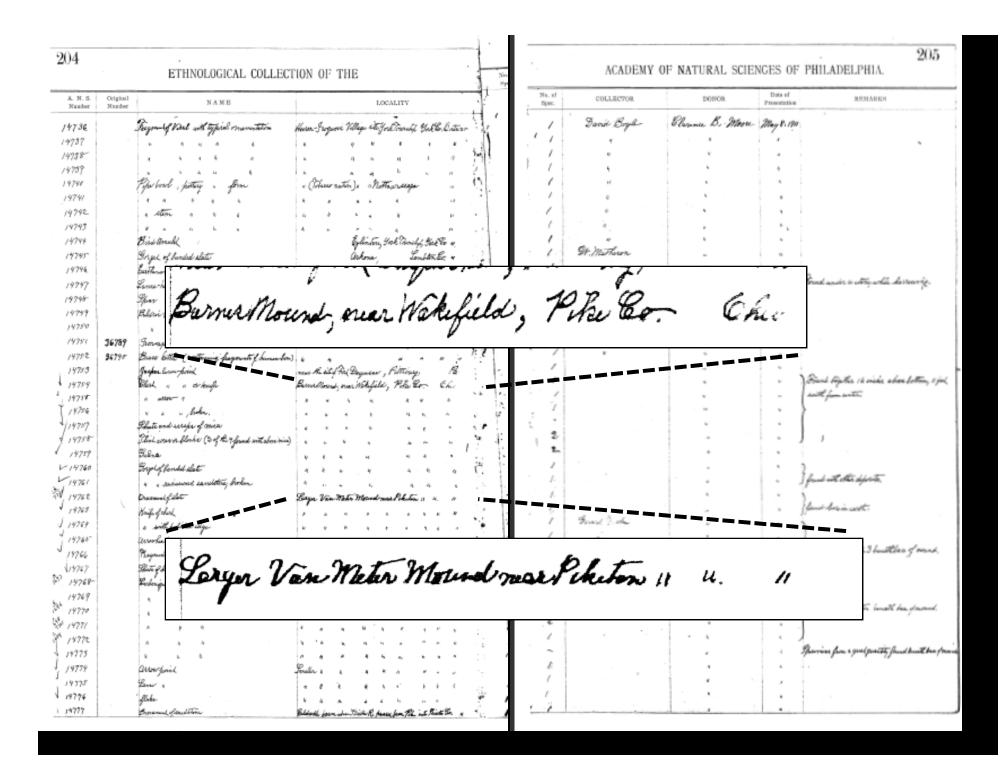




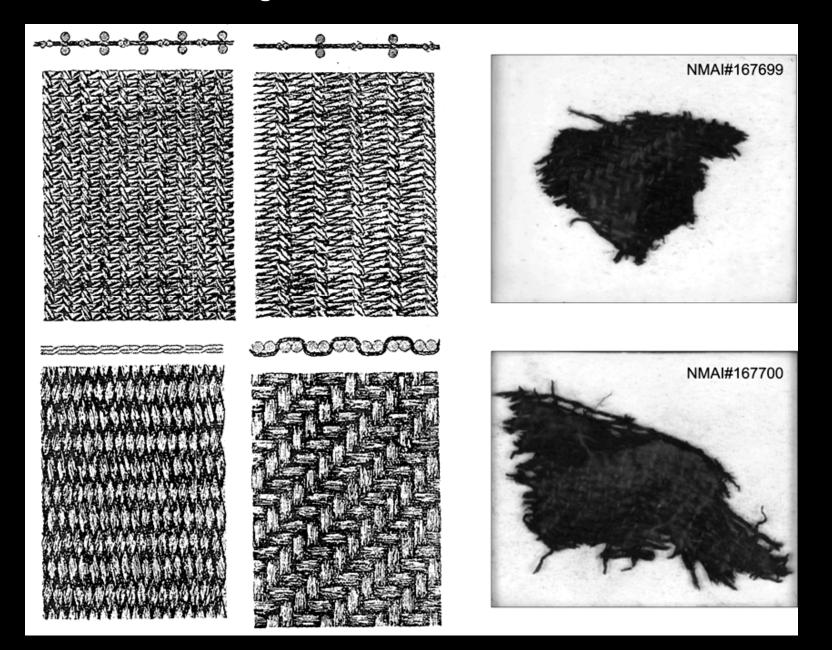




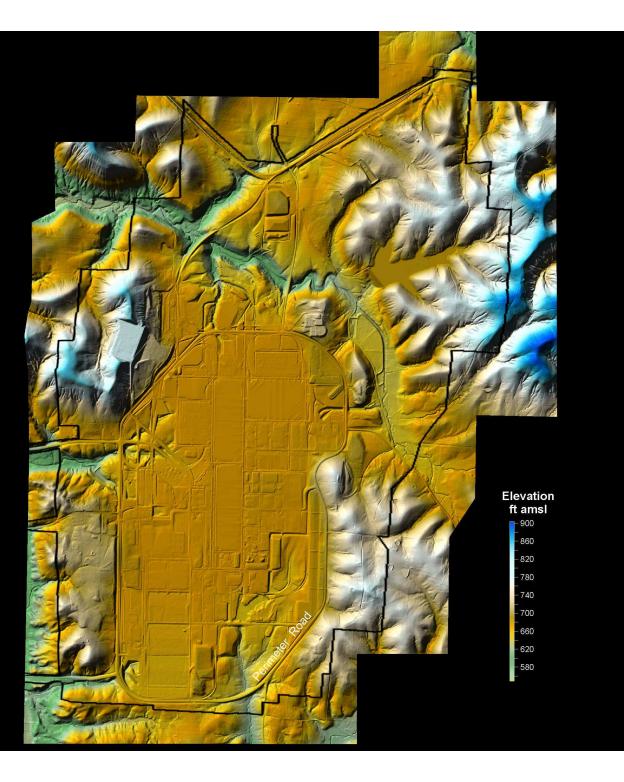


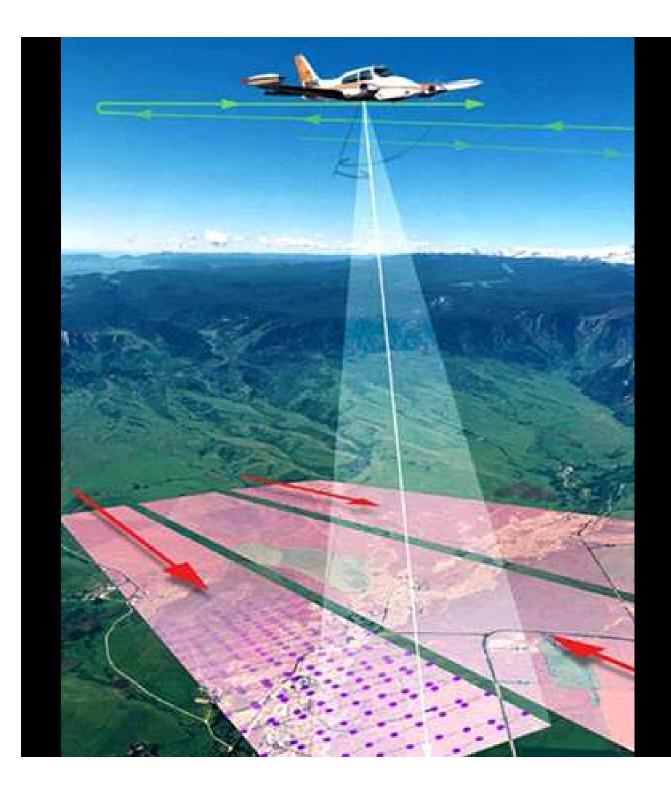


Fabric from larger Van Meter Mound at the Smithsonian



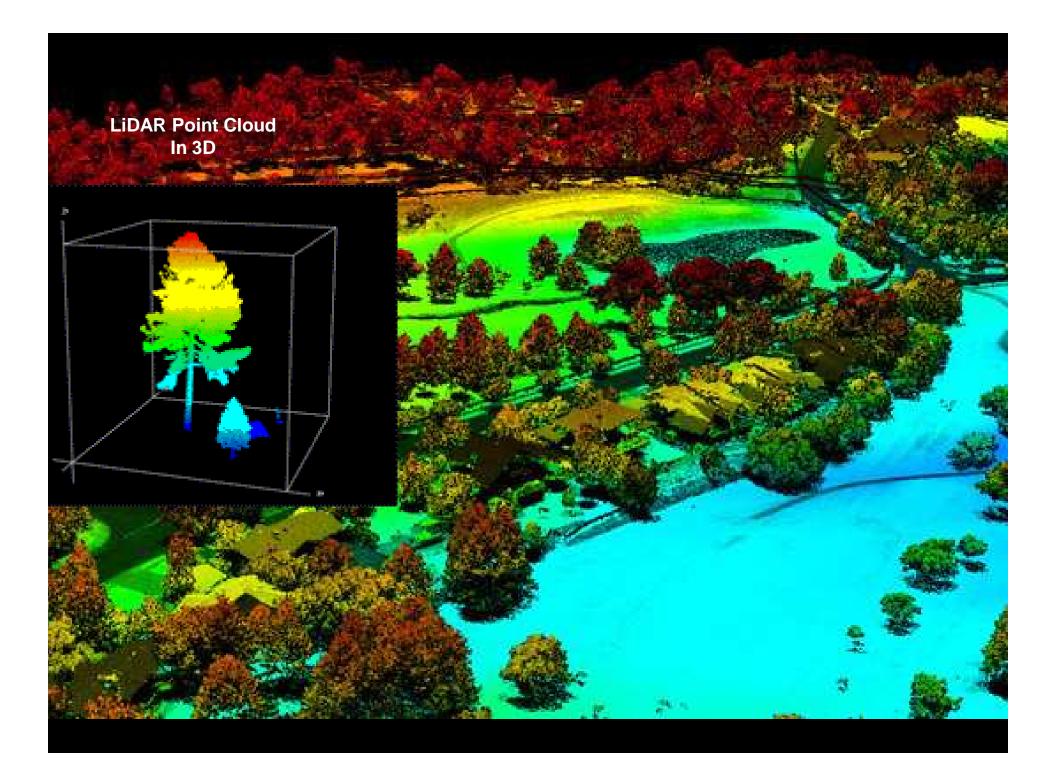
LiDAR Data PORTS



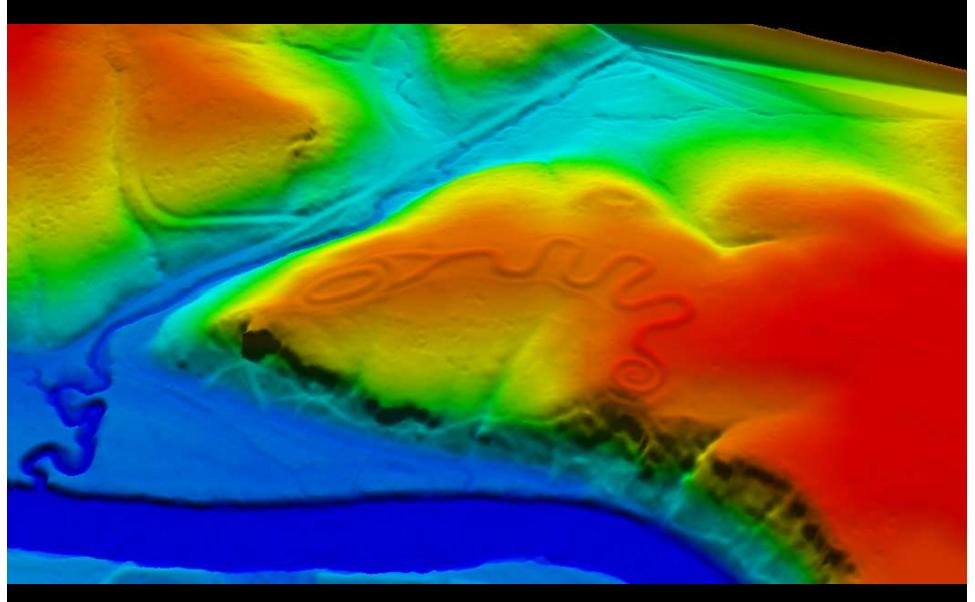


LiDAR Mapping

LiDAR=Light Detection and Ranging

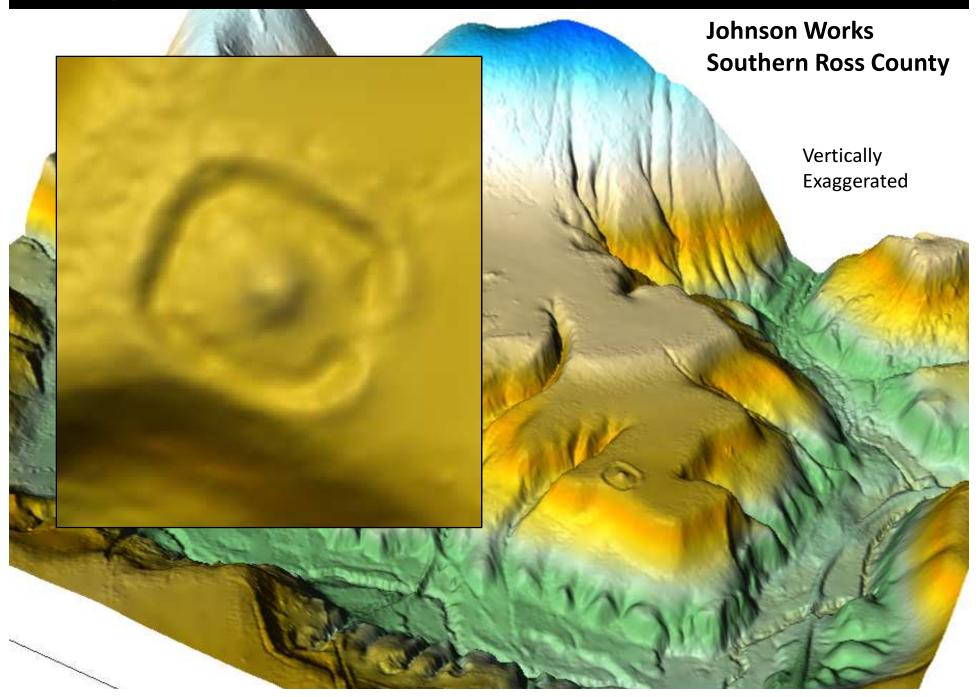


Serpent Mound

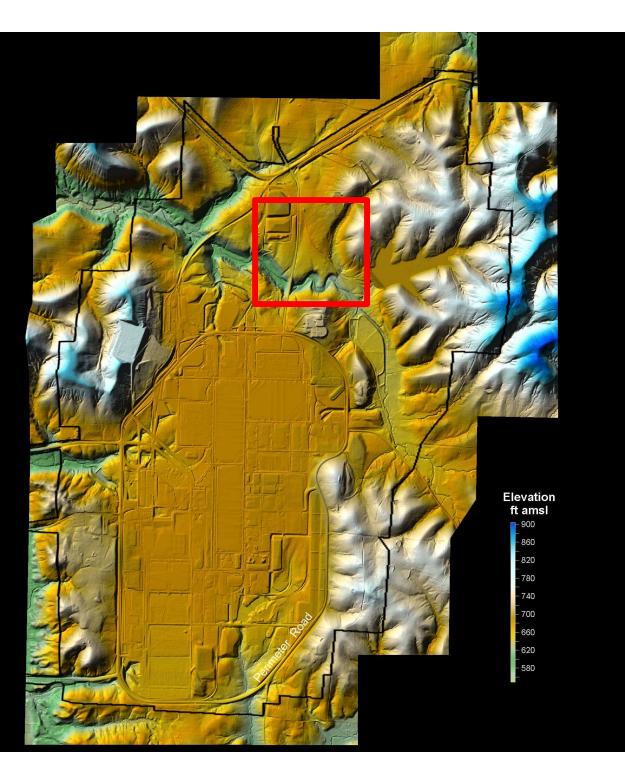


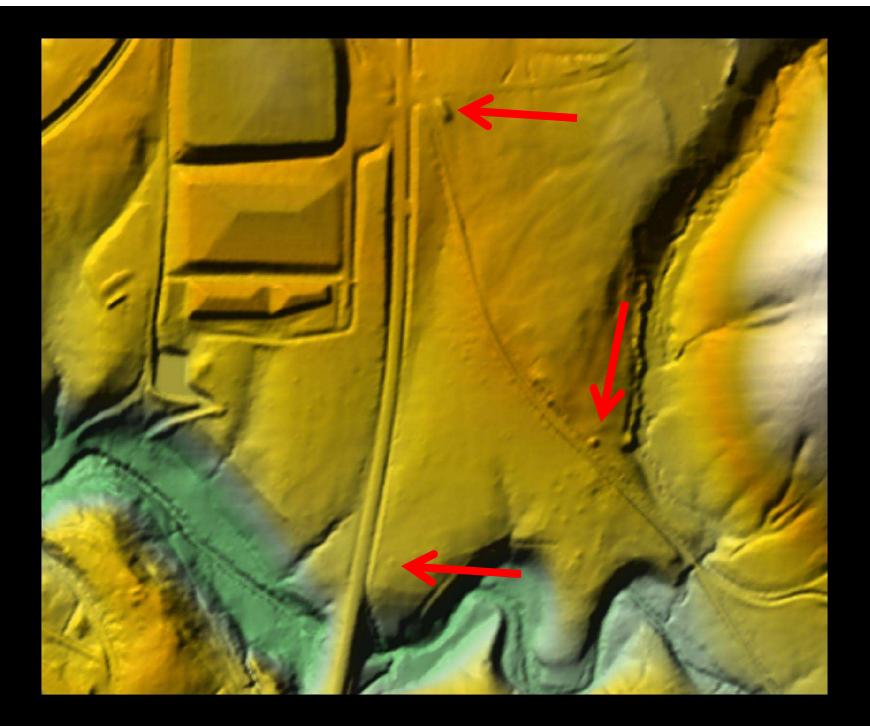
LiDAR Topo Data

LiDAR Topo Data



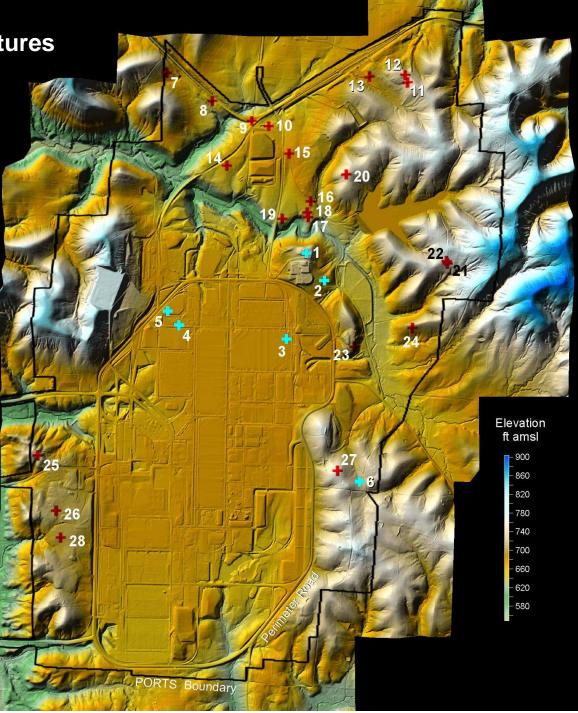
LiDAR Data PORTS



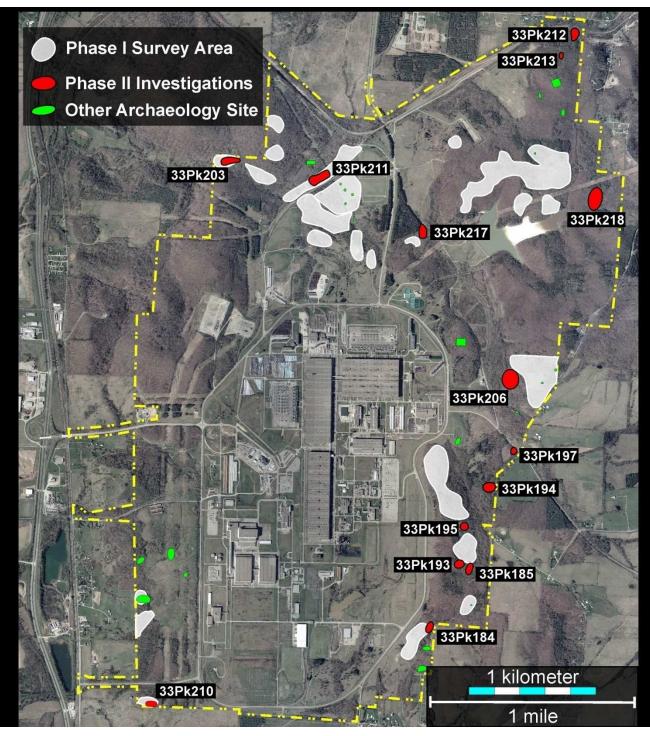


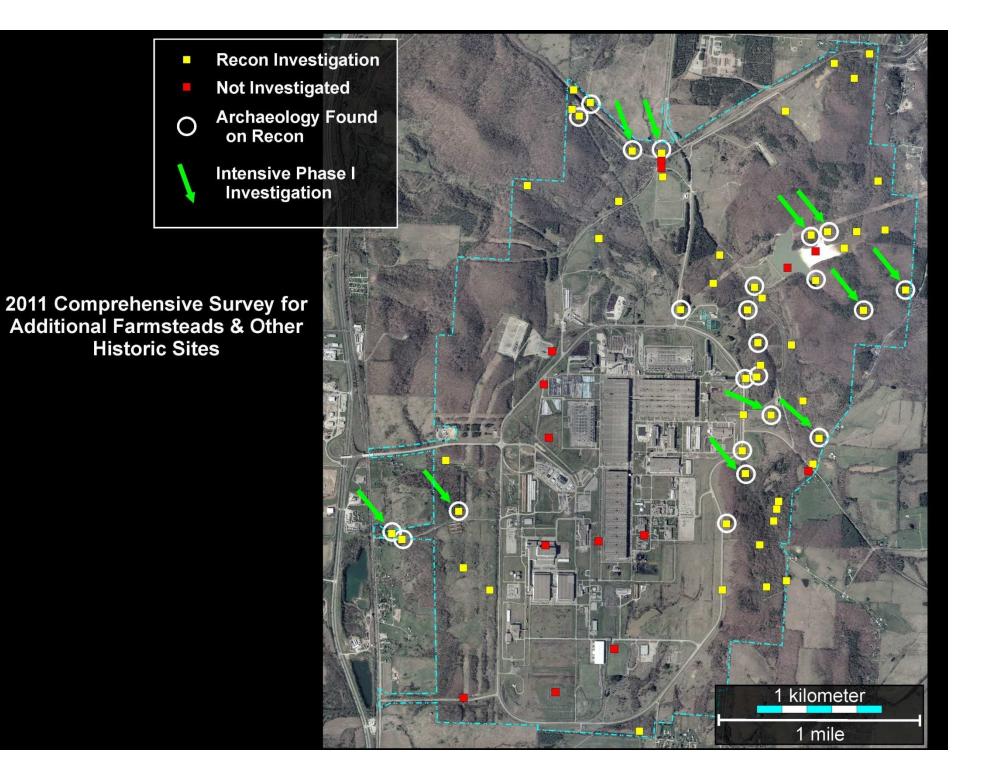
Mound-Like Topographic Features

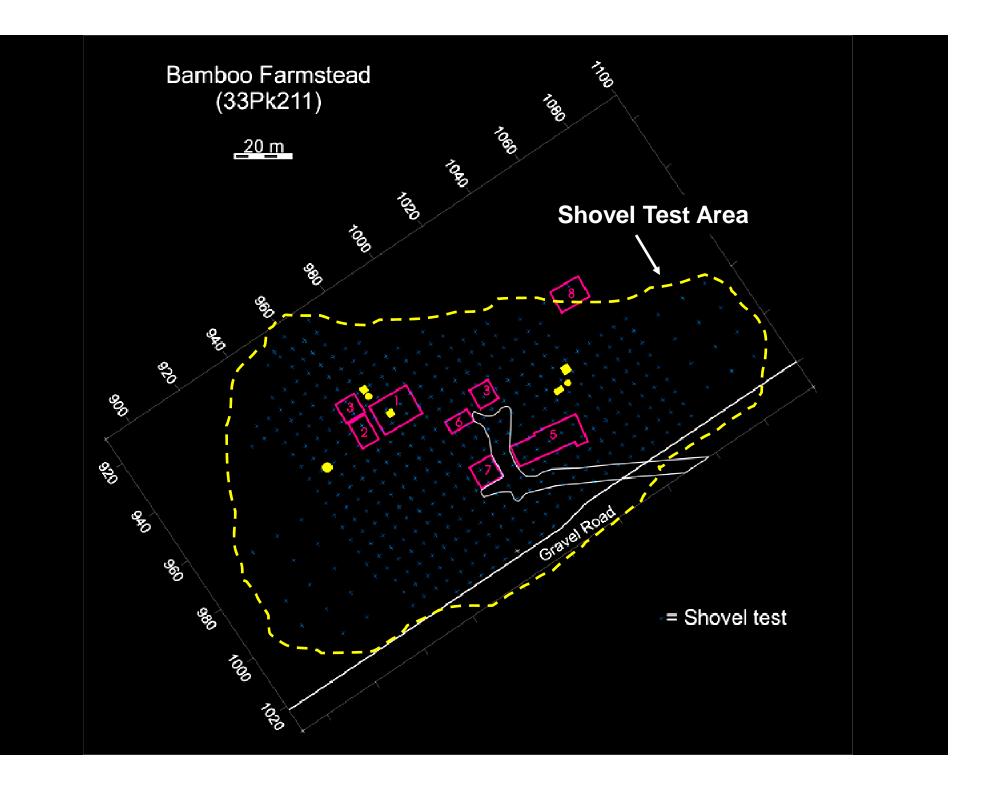
28 Identified25 Inspected on Foot

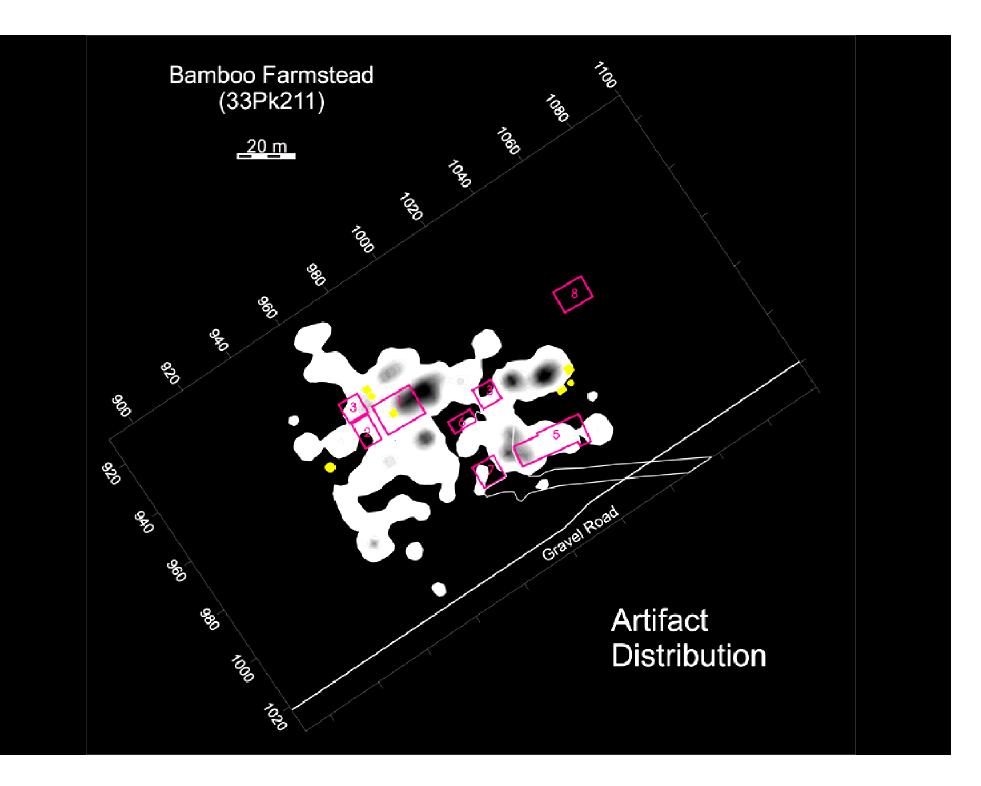


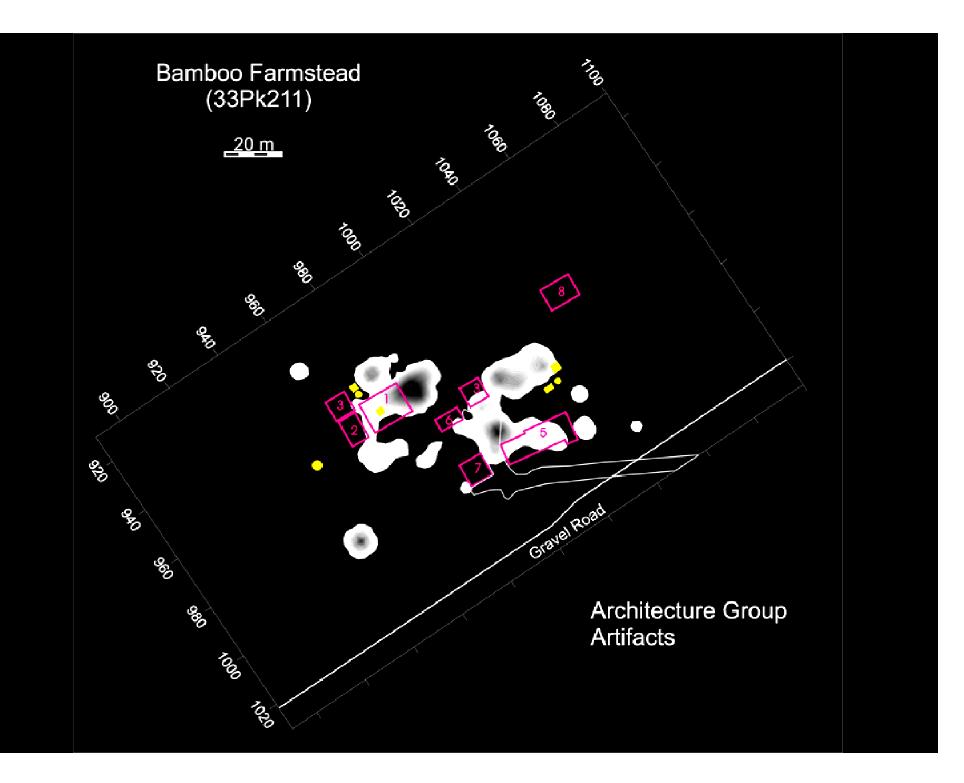
1997 Archaeological Survey





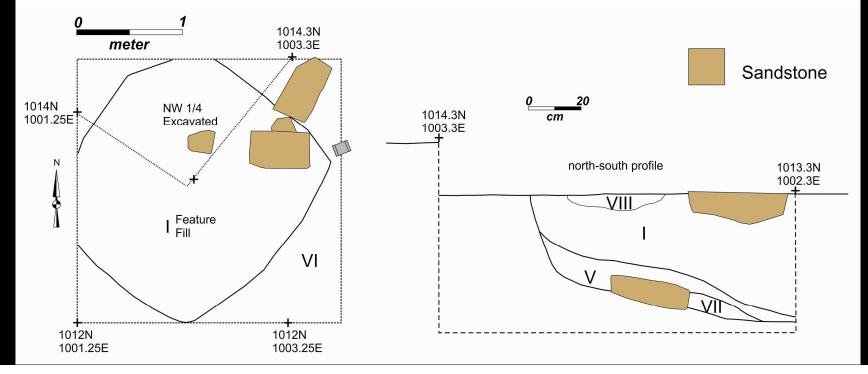








South Shyville (33Pk185) Sub-floor Pit Cellar





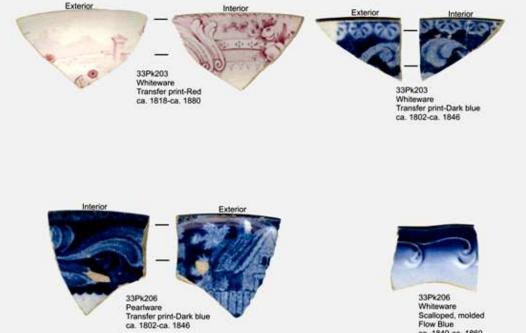




Whiteware Transfer print-Black ca. 1785-ca.1864



33Pk185 Whiteware Transfer print-Green ca. 1818-ca. 1859



33Pk206 Whiteware Scalloped, molded Flow Blue ca. 1840-ca. 1860





33Pk211 Pearlware Transfer print-Dark blue ca. 1802-ca. 1846



33Pk203 Pearlware Slipware-Rouletting/Cat's eye ca. 1800-ca. 1830



33Pk211 Whiteware Hand-pained polychrome ca. 1830-ca. 1860



33Pk203 Whiteware Even scalloped blue shell-edged with impressed straight lines ca. 1800-ca. 1835



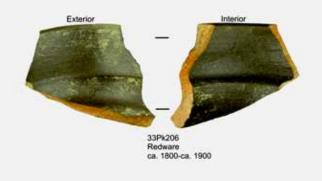
33Pk206 Whiteware Transfer print-Black with Clobbering (Green/Pink) ca. 1840-ca. 1864



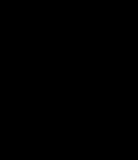
33PA206 Peartware Scalloped (symmetrical) green shell-edged Impressed straight lines/wheat ca. 1800-ca. 1830



33Pk206 Whiteware Spongeware (Cut sponge) Green with possible hand-painting ca. 1845-ca. 1930s









Pt. Pleasant pipe bowl ca. 1840-ca. 1890



Pt. Pleasant pipe bowl ca. 1840-ca. 1890







Tobacco Pipe fragment

Shank portion



33Pk203 Glass Marble ca. 1901-present

